

CLAIMS:

1. A planar inductance, in particular for monolithic HF oscillators, with planar spiral windings, characterized in that each winding (1) is in the form of an "eight" with three cross-conductors (6, 7, 8) carrying current in the same direction and running between two loops (1a, 1b).

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2. A planar inductance as claimed in claim 1, characterized in that the cross-conductors (6, 7, 8) are located parallel with each other, and the top (8) and bottom (6) ones are joined to the power supply lines (4, 5) on opposite sides.

10 3. A planar inductance as claimed in claim 1 or 2, characterized in that each eye (9, 10) of the winding is equipped with multiple windings, arranged spirally inside one another, the inner ends (11, 12) of which are joined together.

15 4. A planar inductance as claimed in claim 3, characterized in that the eye (9) of the winding adjacent to which the supply lines (4, 5) run is arranged to be smaller than the other eye (10) in order to compensate the magnetic field of the supply lines (4, 5).

20 5. A planar inductance as claimed in claim 4, characterized in that an additional metallization plane is provided, and the central conductors are, in part, located one above the other.